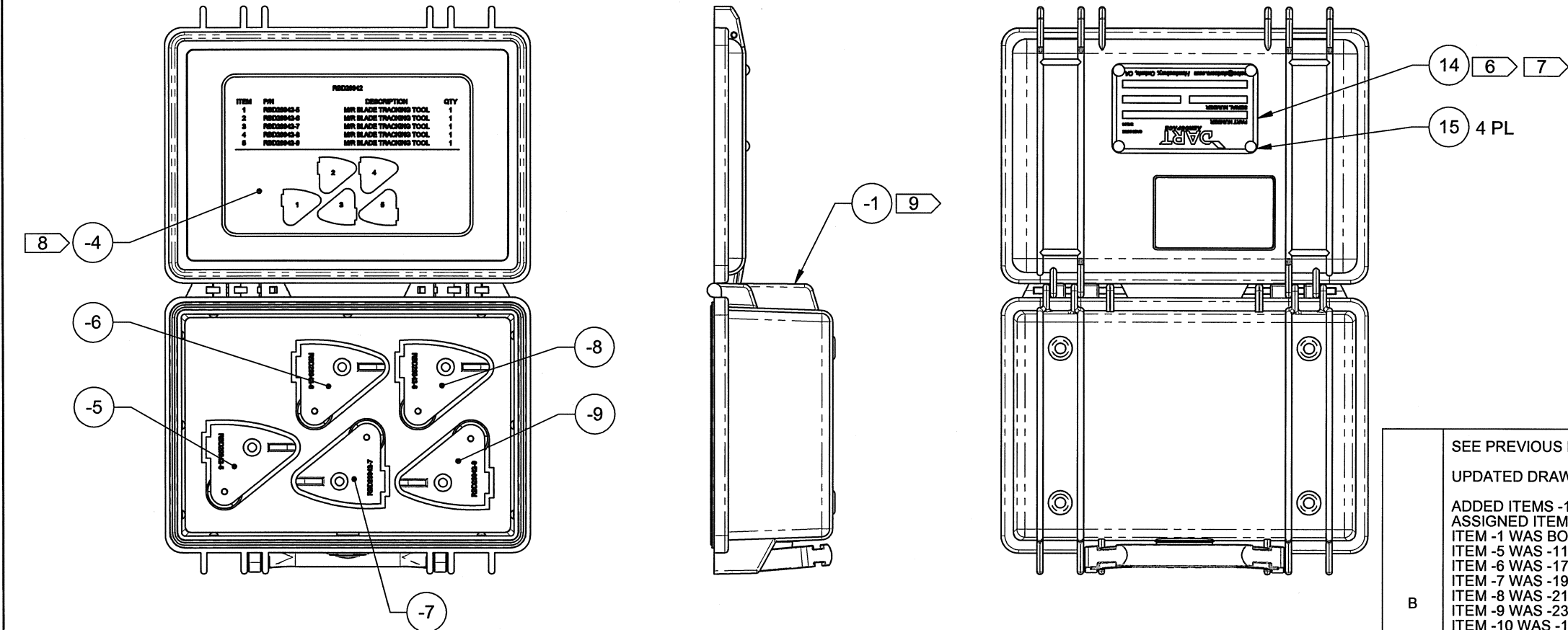


ITEM #	QTY	PART #	PART TITLE
-1	1	RBD29942-1	PACKAGING ASSEMBLY
-4	1	RBD29942-4	CONTENT PLACARD
-5	1	RBD29942-5	M/R BLADE TRACKING TOOL
-6	1	RBD29942-6	M/R BLADE TRACKING TOOL
-7	1	RBD29942-7	M/R BLADE TRACKING TOOL
-8	1	RBD29942-8	M/R BLADE TRACKING TOOL
-9	1	RBD29942-9	M/R BLADE TRACKING TOOL
14	1	RB41011	DART PLACARD
15	4	McMaster#97524A032 OR EQUIV.	ALUMINUM SEALING BLIND RIVETS 1/8" DIA. X 0.425" LG.

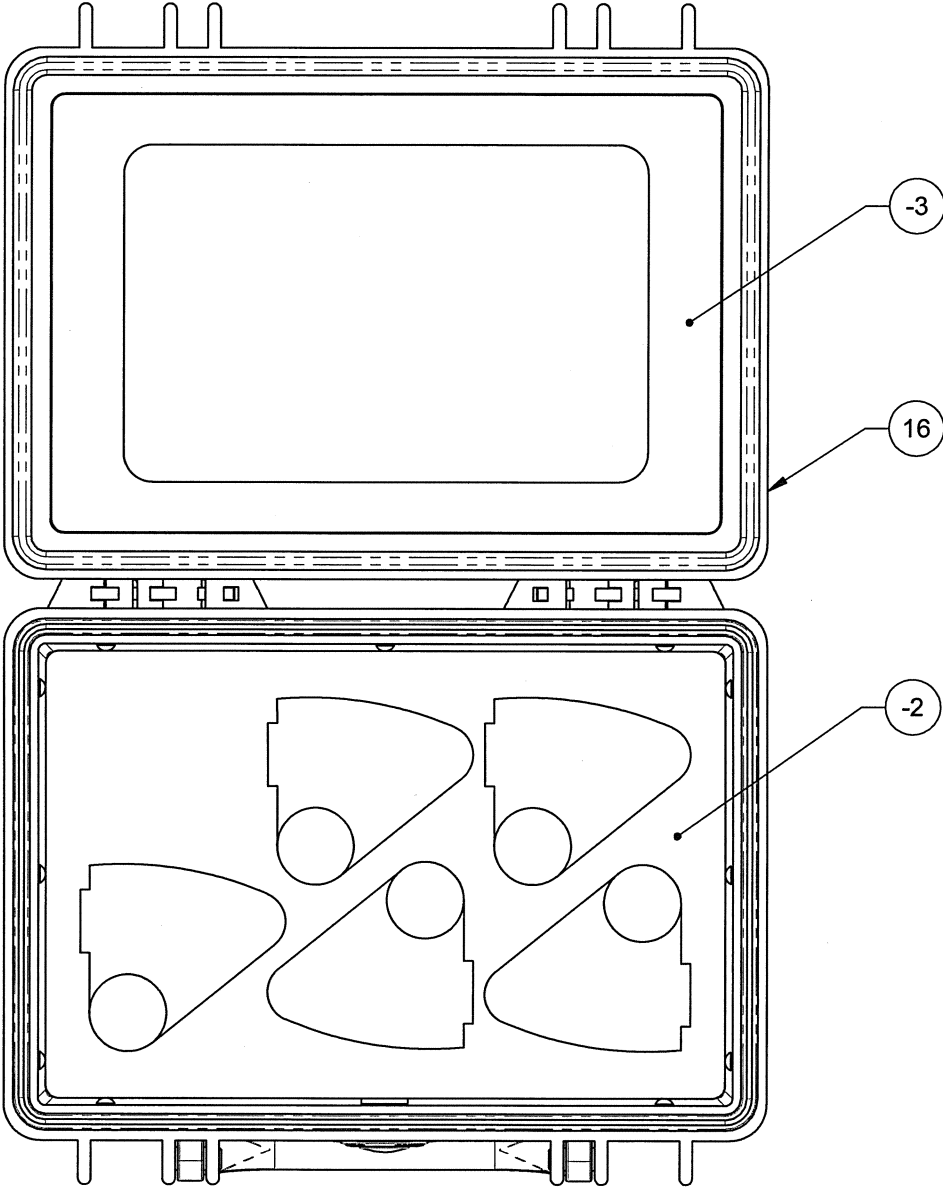


RBD29942 M/R BLADE TRACKING TOOL

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: ENGRAVE THE TOOL P/N ON THE DART PLACARD WHERE INDICATED
 - 7) INSTALL THE DART PLACARD ONTO THE TOP OF THE CASE IN AVAILABLE AREA USING ALUMINIUM POP RIVETS
 - 8) HOT GLUE THE CONTENT PLACARD ONTO THE TOP FOAM
 - 9) HOT GLUE THE TOP AND BOTTOM FOAM INTO THE CASE



SEE PREVIOUS REVISION FOR MORE INFORMATION UPDATED DRAWING TEMPLATE ADDED ITEMS -1, -4, 14 & 15 ASSIGNED ITEM NUMBERS -12 & -13 FOR REFLECTOR ITEM -1 WAS BODY IS PACKAGING ASSEMBLY ITEM -5 WAS -11 ITEM -6 WAS -17 ITEM -7 WAS -19 ITEM -8 WAS -21 ITEM -9 WAS -23 ITEM -10 WAS -1 ITEM -11 WAS -3 -10 DIM WAS R0.313 IS R0.31. DIM. WAS 0.719 IS 0.59. ADDED DIMENSIONS Ø0.134 THRU, R0.03, 0.27, 0.45, AND 1.81 REF. FINISH WAS BLACK ANODIZE IS RED ANODIZE PER MIL-A-8625 TYPE 2 CLASS 2 -11 DIM WAS Ø11/16 IS Ø0.75. DIM WAS 0.028 WALL IS 0.065. DIM WAS 130° IS 120.0°		19-642	MBB
REV.	DESCRIPTION	ECN #	BY
DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 1 OF 11
APPROVED		TITLE	SCALE
DATE	2019-08-28	M/R BLADE TRACKING TOOL	NTS
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ITEM #	QTY	PART #	PART TITLE
-2	1	RBD29942-2	BOTTOM FOAM
-3	1	RBD29942-3	TOP FOAM
16	1	PELICAN #APP-1120-E	PELICAN CASE 1120



RBD29942-1 PACKAGING ASSEMBLY

NOTES:
1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) IDENTIFICATION: N/A

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 2 OF 11
APPROVED		TITLE	SCALE
DATE	2019-08-28	M/R BLADE TRACKING TOOL	NTS 
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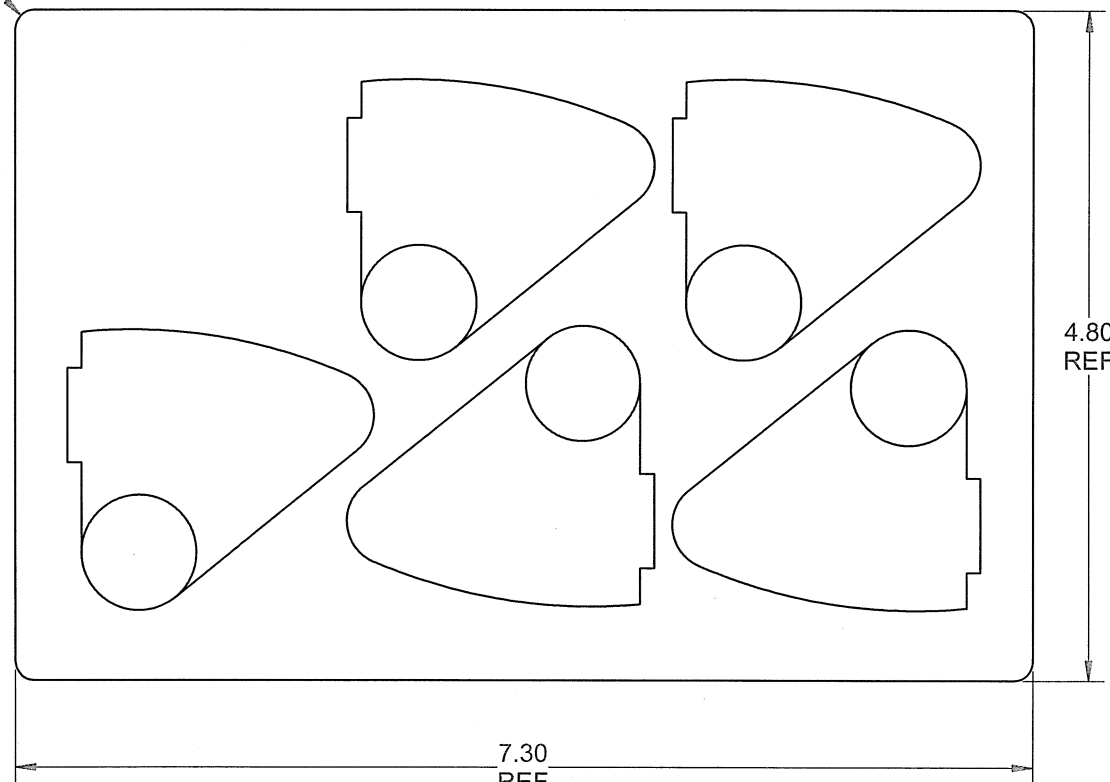
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R0.14
4 PL
REF

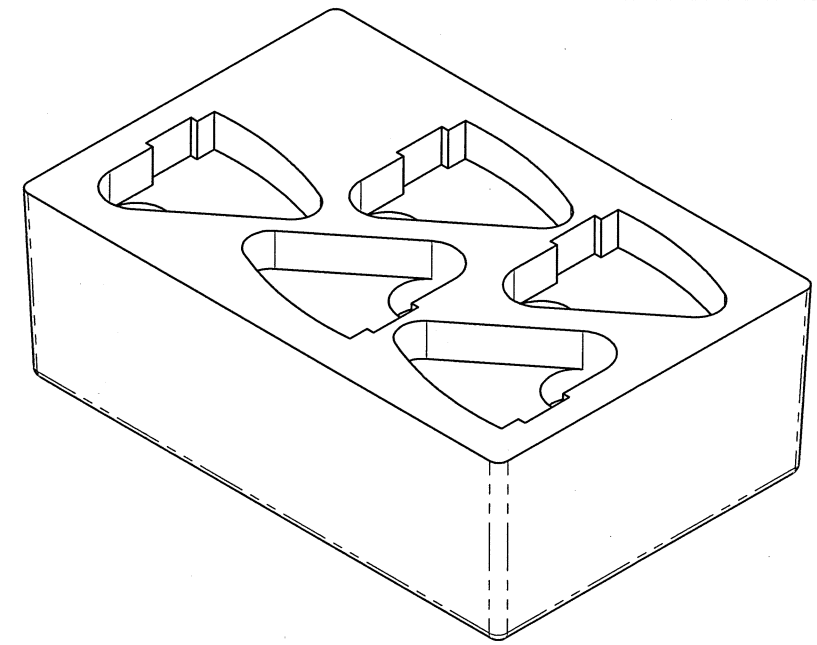
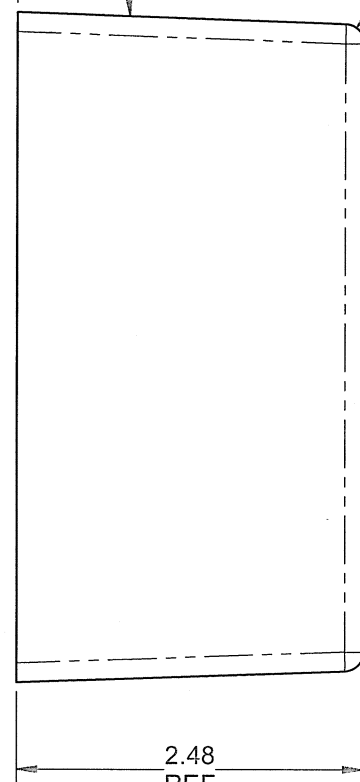


RBD29942-2 BOTTOM FOAM


7

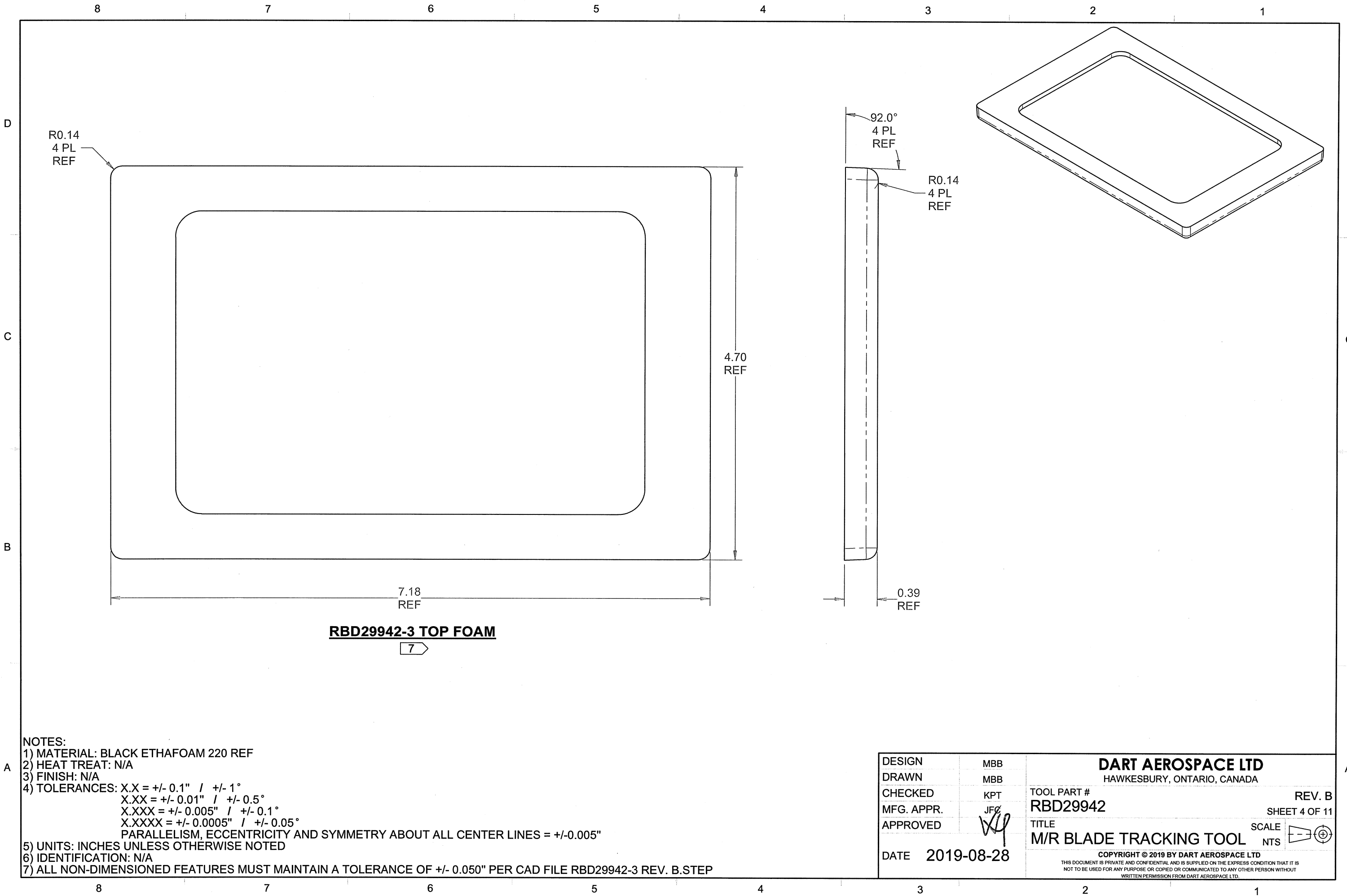
92.0°
4 PL
REF

R0.14
4 PL
REF


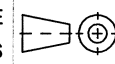


- NOTES:
- 1) MATERIAL: BLACK ETHAFOAM 220 REF
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBD29942-2 REV. B.STEP

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 3 OF 11
APPROVED		TITLE	SCALE
		M/R BLADE TRACKING TOOL	NTS
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NOTES:
1) MATERIAL: BLACK ETHAFOAM 220 REF
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) IDENTIFICATION: N/A
7) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBD29942-3 REV. B.STEP

DESIGN	MBB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B
DRAWN	MBB			
CHECKED	KPT	TOOL PART #	RBD29942	
MFG. APPR.	JFC	TITLE		
APPROVED		M/R BLADE TRACKING TOOL	SCALE NTS	
DATE	2019-08-28	COPYRIGHT © 2019 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>		

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R0.25
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RBD29942

ITEM	P/N	DESCRIPTION	QTY
1	RBD29942-5	M/R BLADE TRACKING TOOL	1
2	RBD29942-6	M/R BLADE TRACKING TOOL	1
3	RBD29942-7	M/R BLADE TRACKING TOOL	1
4	RBD29942-8	M/R BLADE TRACKING TOOL	1
5	RBD29942-9	M/R BLADE TRACKING TOOL	1


3.50

5.50

RBD29942-4 CONTENT PLACARD

8

- NOTES:
- 1) MATERIAL: JOHNSON PLASTICS #LM922402 OR EQUIV. (BLACK/WHITE MICROSURFACED IMPACT ACRYLIC 1/16" THK.)
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) BLACK BACKGROUND WITH WHITE LETTERS AND LINES
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBD29942-4 REV. B.DXF

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 5 OF 11
APPROVED		TITLE	SCALE
DATE	2019-08-28	M/R BLADE TRACKING TOOL	NTS
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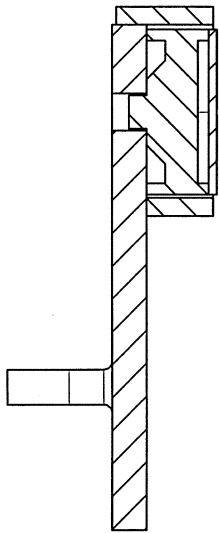
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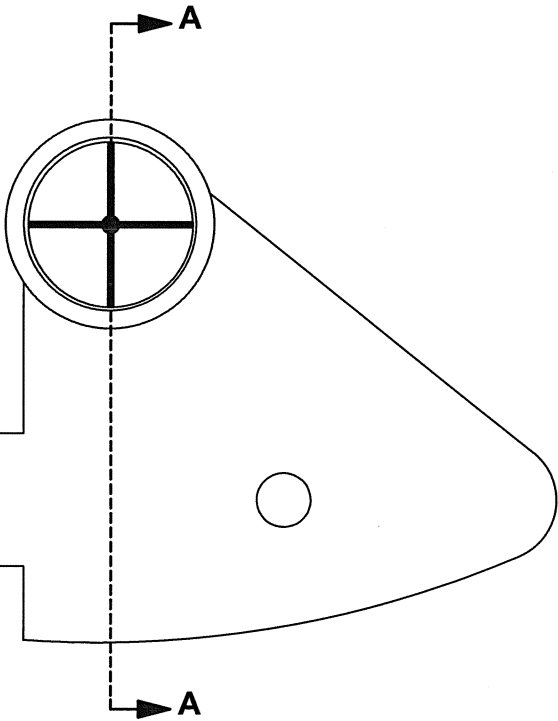
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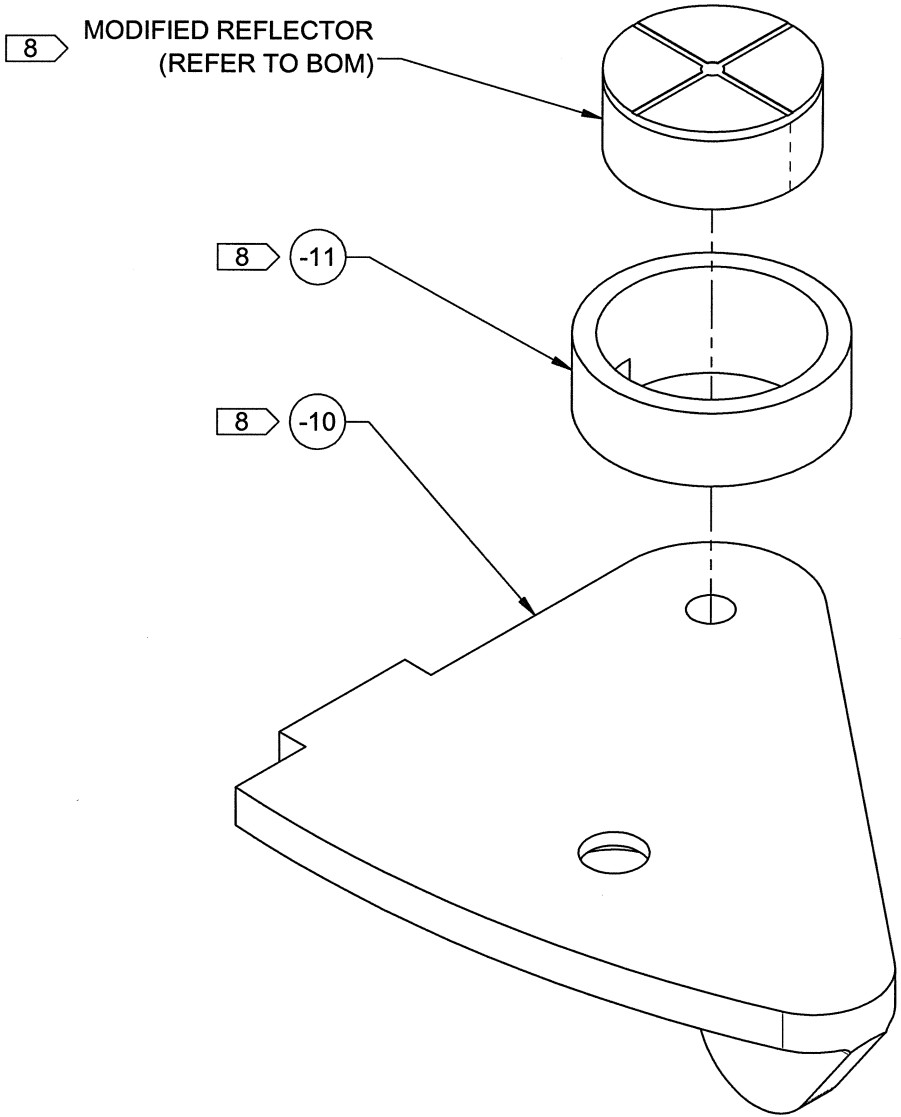
QTY -9	QTY -8	QTY -7	QTY -6	QTY -5	ITEM #	PART #	PART TITLE
				X	-5	RBD29942-5	M/R BLADE TRACKING TOOL
			X		-6	RBD29942-6	M/R BLADE TRACKING TOOL
		X			-7	RBD29942-7	M/R BLADE TRACKING TOOL
	X				-8	RBD29942-8	M/R BLADE TRACKING TOOL
X					-9	RBD29942-9	M/R BLADE TRACKING TOOL
1	1	1	1	1	-10	RBD29942-10	BODY
1	1	1	1	1	-11	RBD29942-11	GUARD
				1	-12	RBD29942-12	MODIFIED REFLECTOR (MARK)
1	1	1	1		-13	RBD29942-13	MODIFIED REFLECTOR (DASH)




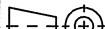
SECTION A-A

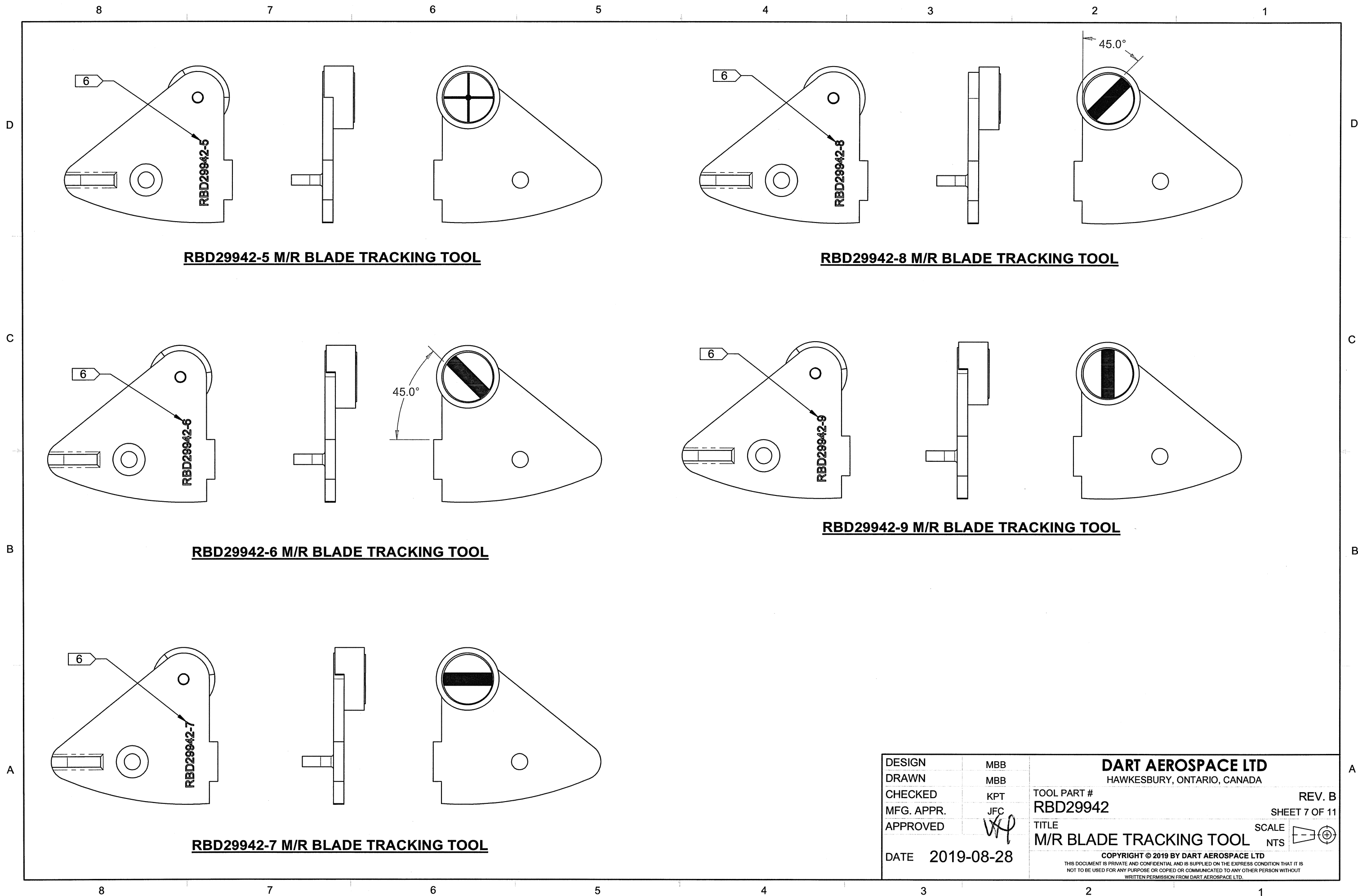





RBD29942-5, -6, -7, -8 & -9 M/R BLADE TRACKING TOOL
(RBD29942-5 SHOWN)



- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: LASER MARK T/N AS SHOWN
 - 7) ASSEMBLE AS SHOWN
 - 8) APPLY INSTANT ADHESIVE LOCTITE 495 BETWEEN THE SURFACES OF ITEMS -11, -12, -13, AND ITEM -10, AND REMOVE EXCESS

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 6 OF 11
APPROVED		TITLE	SCALE
		M/R BLADE TRACKING TOOL	NTS 
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DESIGN	MBB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWN	MBB				
CHECKED	KPT	TOOL PART #	SHEET 7 OF 11		
MFG. APPR.	JFC	RBD29942			
APPROVED		TITLE	SCALE		
DATE 2019-08-28		M/R BLADE TRACKING TOOL	NTS		
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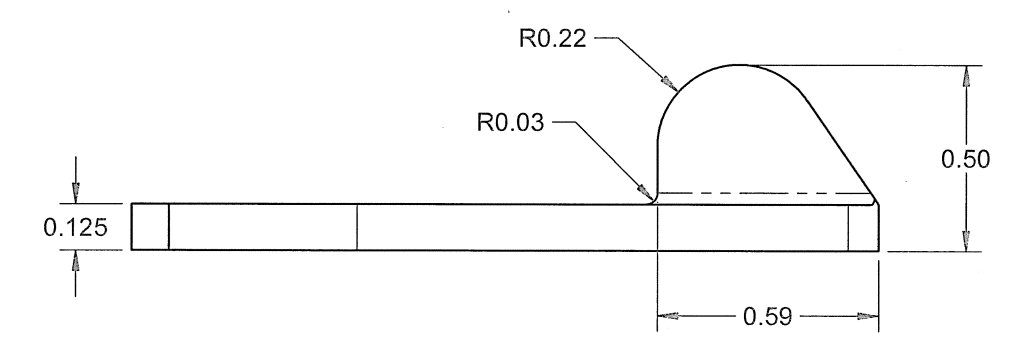
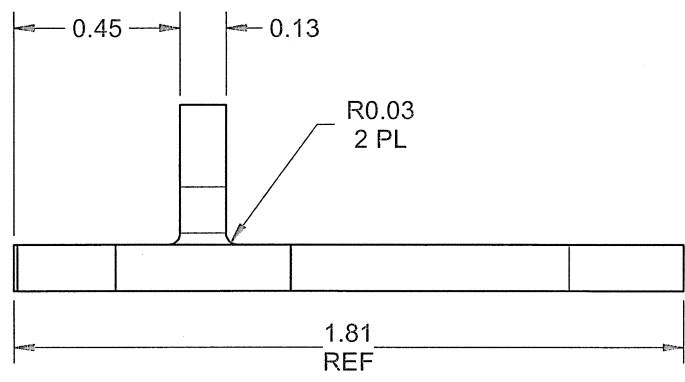
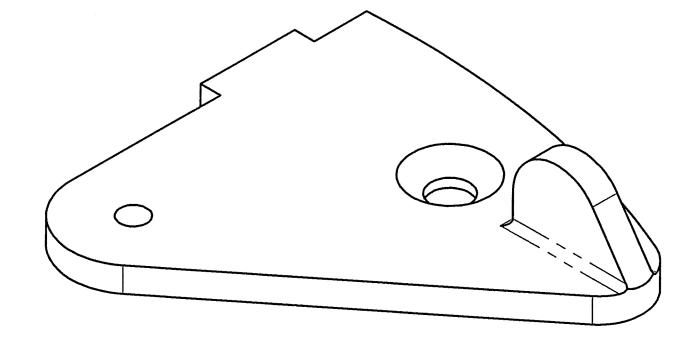
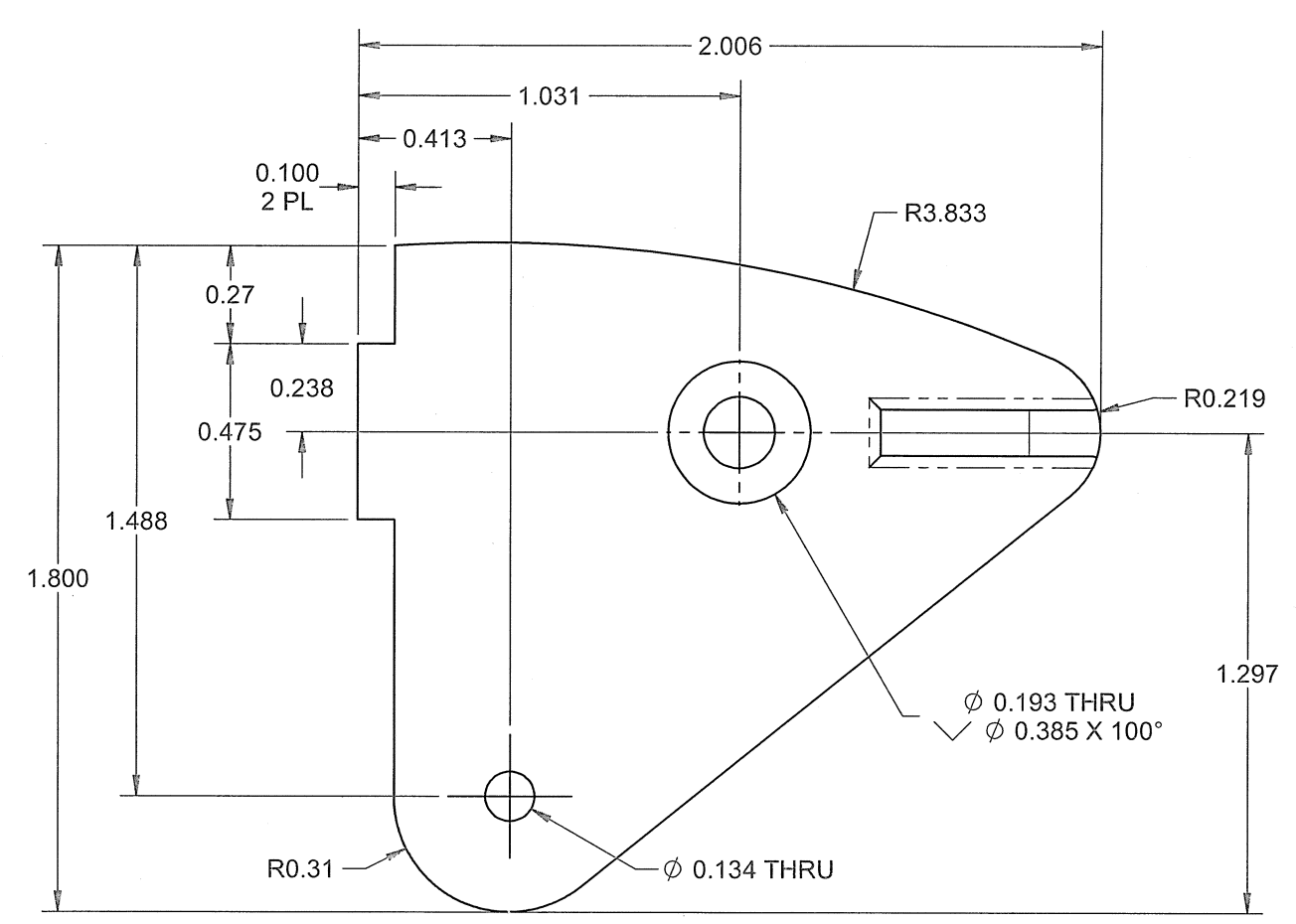
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
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RBD29942-10 BODY

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- NOTES:
- 1) MATERIAL: 6061-T6 / 7075-T6
 - 2) HEAT TREAT: N/A
 - 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: N/A
 - 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.005" PER CAD FILE RBD29942-10 REV. B.STEP

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFO	RBD29942	SHEET 8 OF 11
APPROVED		TITLE	SCALE
DATE	2019-08-28	M/R BLADE TRACKING TOOL	NTS 
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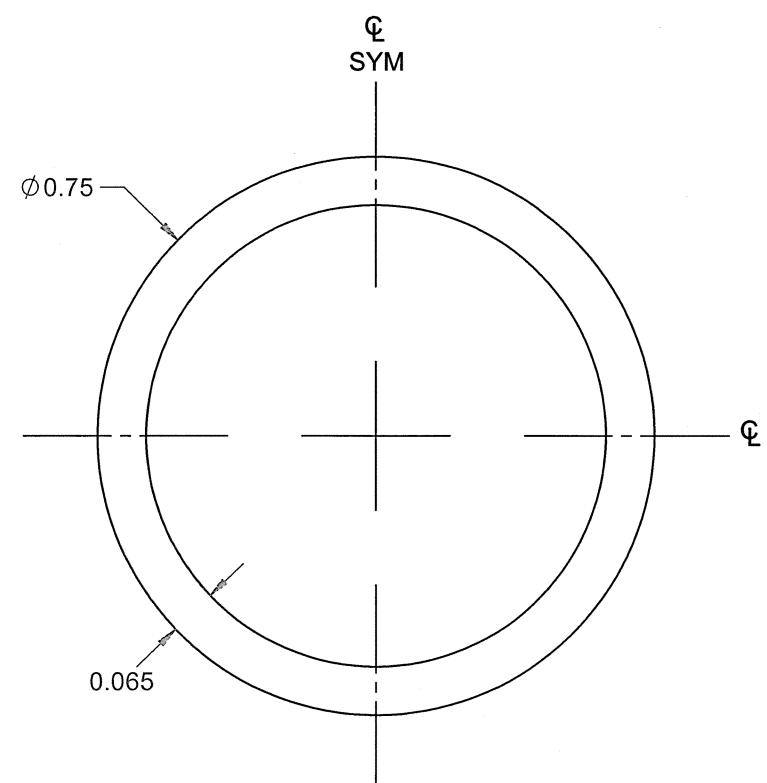
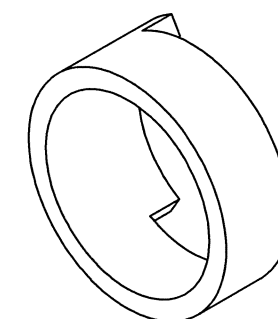
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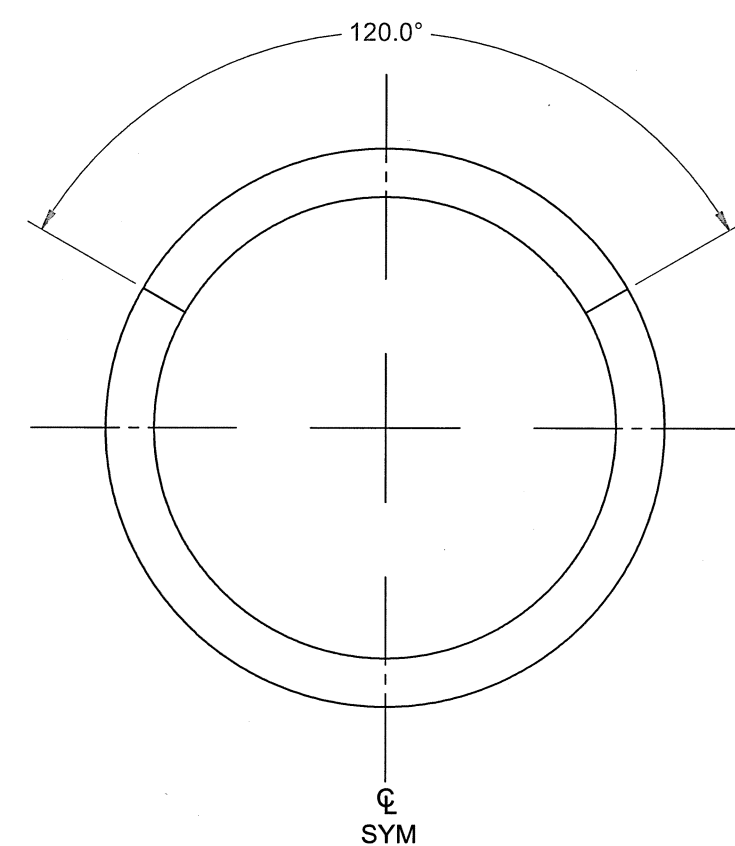
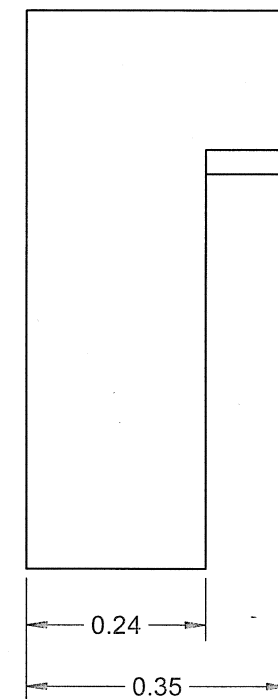
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RBD29942-11 GUARD



NOTES:
1) MATERIAL: 303/304/316 STAINLESS STEEL
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES AND BURRS
7) IDENTIFICATION: N/A

DESIGN	MBB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 9 OF 11
APPROVED		TITLE	SCALE
DATE	2019-08-28	M/R BLADE TRACKING TOOL	NTS
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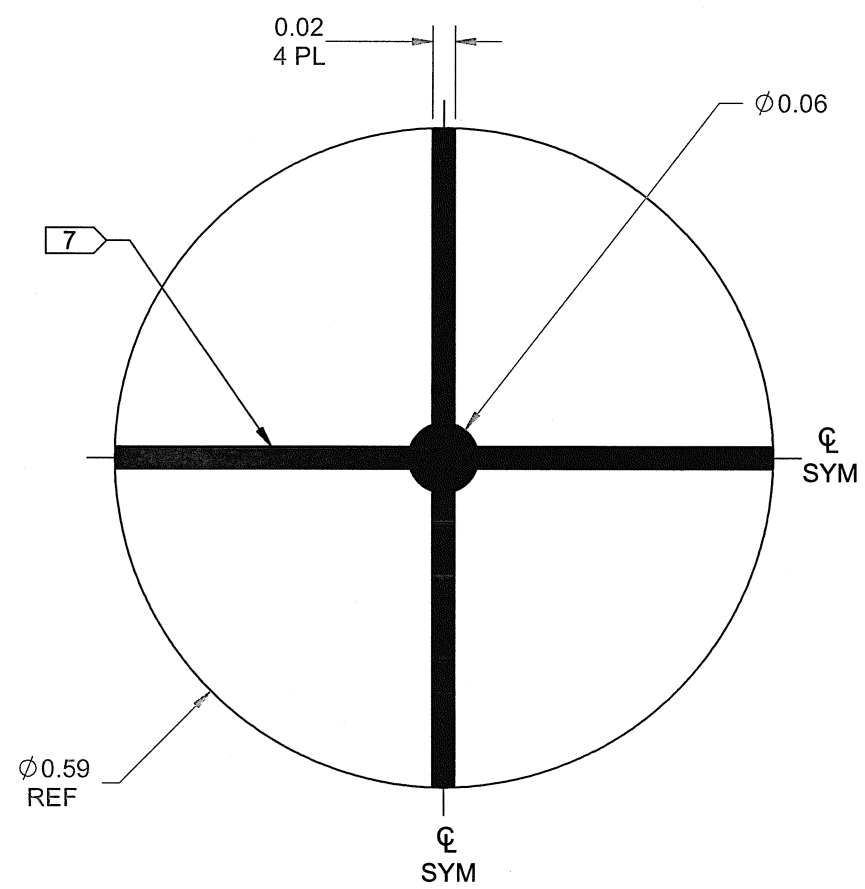
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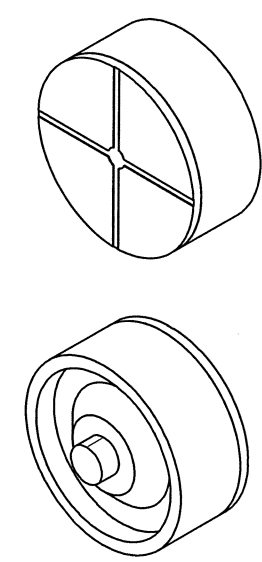
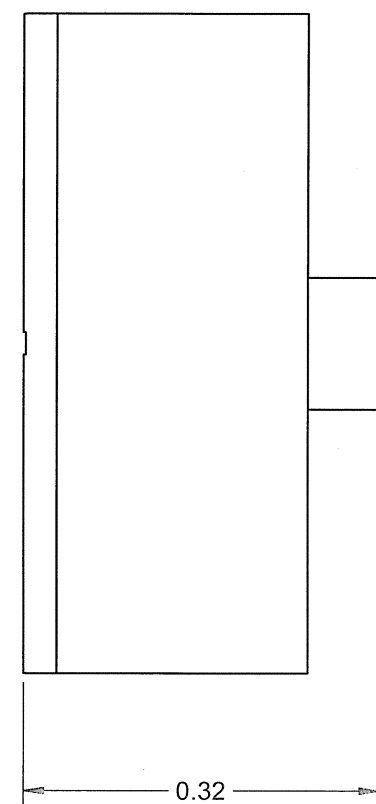
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RBD29942-12 MODIFIED REFLECTOR (MARK)




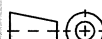
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NOTES:
1) MATERIAL: IFM #E20992 (REFLECTOR FOR RETRO-REFLECTIVE LASER SENSOR 15 mm OD.)
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES AND BURRS
7) IDENTIFICATION: LASER ETCH AS SHOWN, AND FILL USING BLACK PAINT

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 10 OF 11
APPROVED		TITLE	SCALE
		M/R BLADE TRACKING TOOL	NTS 
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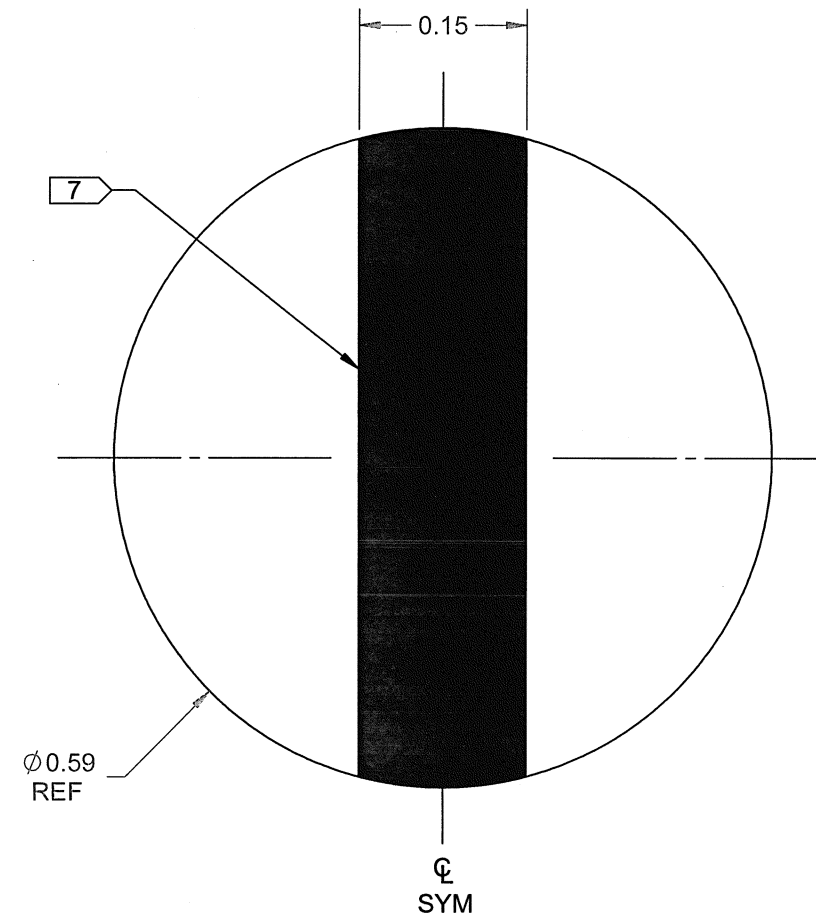
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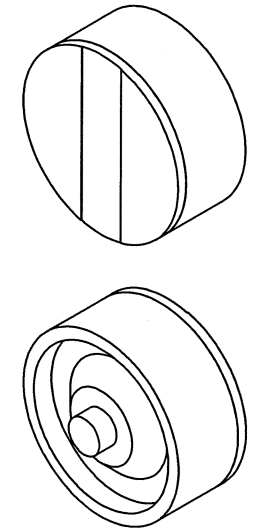
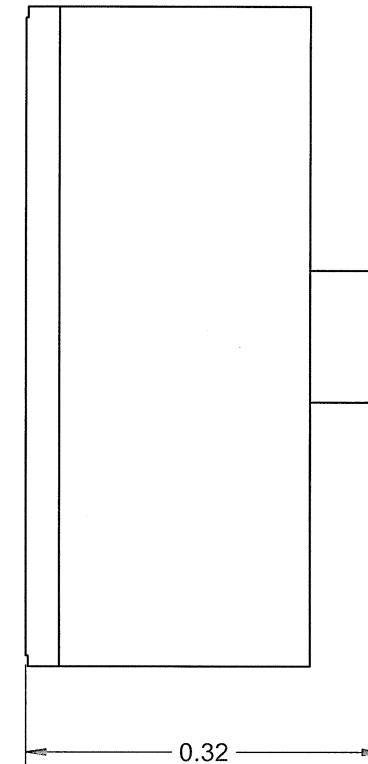
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RBD29942-13 MODIFIED REFLECTOR (DASH)





D

C

B

A

- NOTES:
- 1) MATERIAL: IFM #E20992 (REFLECTOR FOR RETRO-REFLECTIVE LASER SENSOR 15 mm OD.)
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: LASER ETCH AS SHOWN, AND FILL USING BLACK PAINT

DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. B
MFG. APPR.	JFC	RBD29942	SHEET 11 OF 11
APPROVED		TITLE	SCALE
		M/R BLADE TRACKING TOOL	NTS 
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